

NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

This form to be used for reporting civil and public aircraft accidents and incidents

BASIC INFORMATION

Accident/Incident Location

Nearest City/Place: DELAND State: FL

ZIP: _____ Country: VOLUSIA

Latitude: 29.104111 Longitude: -81.314444

(Enter in decimal degrees or degrees, minutes, seconds)

Accident/Incident Date/Time

Date: 4/13/16 Local Time: 12:30 PM

month day year

Time Zone: EASTERN

Collision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None

AIRCRAFT INFORMATION

Registration Number: N5AQ

Manufacturer: HOME BUILT - ROBERT P. ATKINSON

Model: AMERICAN EAGLE

Serial Number: _____

Year of Manufacture: 1982 JULY

Amateur-Built: ☒ Yes ☐ No If Yes: ☒ Kit/Plans ☐ Original Design Make: _____

- ☐ IFR-Equipped and Certified
☐ Commercial Space Flight
☐ Unmanned Aircraft

Maximum Gross Weight: _____ lbs

Weight at Time of Accident/Incident: _____ lbs

Number of Seats: 1 Flight Crew Seats: _____

Cabin Crew Seats: _____ Passenger Seats: _____

Number of Engines: 2

Category of Aircraft

- ☐ Airplane
☐ Balloon
☐ Blimp/Dirigible
☒ Glider
☐ Gyroplane
☐ Helicopter
☐ Powered Lift
☐ Rocket
☐ Ultralight
☐ Unknown

Type of Airworthiness Certificate

(Check all that apply)

- Standard**
☐ Normal
☐ Aerobatic
☐ Balloon
☐ Commuter
☐ Transport
☐ Utility
☐ Certificate of Authorization or Waiver (COA)
☒ None
- Special**
☐ Restricted
☐ Limited
☐ Provisional
☐ Special Flight
☐ Experimental
☐ Special Light-Sport
☐ Experimental Light-Sport
☒ Unknown

Landing Gear

(Check all that apply)

- ☒ Retractable
☐ Tricycle
☐ Amphibian
☐ Emergency Float
☐ Float
☐ Hull
☐ Tailwheel
☐ High Skid
☐ Skid
☐ Ski/Wheel
☐ Other Launch/Recovery System
☐ None
☐ Unknown

Engine Type (Select one)

- ☒ Reciprocating
☐ Turbo Shaft
☐ Turbo Prop
☐ Turbo Jet
☐ Turbo Fan
☒ Electric
☐ Liquid Rocket
☐ Solid Rocket
☐ Hybrid Rocket
☐ None
☐ Unknown

Fuel System Type (Reciprocating)

- ☒ Carburetor ☐ Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Serial	Manufacturer's Serial Number	Date of Mfg. month day year	Rated Power ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	<u>DLE</u>	<u>170</u>			<u>17</u>	<u>30</u>		
Eng. 2	<u>HACKER</u>	<u>4200</u>				<u>5</u>		
Eng. 3								
Eng. 4								

Last Inspection Type

- ☐ 100-Hour ☐ Continuous Airworthiness
☐ AAW ☐ Conditional Inspection
☐ Annual ☐ Unknown

Date Last Inspection: _____

Airframe Total Time: 50 HRS hrs

hours measured at (Select one)

☐ Last Inspection ☐ Time of Accident/Incident

Type of Maintenance Program (Select one)

- ☐ Annual
☐ Conditional (Amateur-built only)
☐ Manufacturer's Inspection Program
☐ Other Approved Inspection Program (AAIP)
☐ Continuous Airworthiness
☐ Other, specify: _____

Description of Fire Extinguishing System

- ☐ None
☐ Specify: _____

Propeller 1

- ☒ Fixed Pitch
☐ Controllable Pitch
☐ Ground Adjustable

Manufacturer: _____

Model: 28X12 3 BLADE

ELT Installed: ☐ Yes ☒ No

If Yes:

ELT Manufacturer: _____

Model or Part No.: _____

TSO No.: ☐ OC91 (121.5 MHz) ☐ OC91a (121.5 MHz)
☐ OC126 (406 MHz)

Was ELT still mounted in aircraft? ☐ Yes ☐ No

Was ELT still connected to antenna? ☐ Yes ☐ No

Has ELT Activated? ☐ Yes ☐ No

If activated:

Has ELT Aid in Locating Aircraft? ☐ Yes ☐ No

If not activated:

- Indicate Reason: ☐ Impact Damage
☐ Fire Damage
☐ Battery Expired/Damaged
☐ Unknown

Propeller 2

- ☒ Fixed Pitch
☐ Controllable Pitch
☐ Ground Adjustable

Manufacturer: _____

Model: 28X12 3 BLADE (FOR DLE)

Additional Equipment (Check all that apply)

- ☐ ADS-B
☐ Airframe Parachute
☐ Angle of Attack Indicator
☐ Autopilot
☐ Data Recorder
☐ Electronic Flight Bag or Handheld Device
☐ Electronic Multifunction Display
☐ Electronic Primary Flight Display
☒ Handheld GPS
☐ Heads Up Display
☐ Onboard Weather
☐ Satellite Tracking Device
☐ Stall Warning System
☐ Video Recording Device
☐ Other, Specify: _____

OWNER/OPERATOR INFORMATION

Registered Aircraft Owner

Name: ALEX KOLINSKI

Fractional Ownership Aircraft: ☐ Yes ☐ No

City: EUSTIS

State: FL

ZIP: _____

Country: LAKE

Operator of Aircraft

☐ Same As Registered Owner

Name: JOHN CHARTER

Doing Business As: _____

Air Carrier/Operator Designator (1 Character Code): _____

☐ Same Address as Registered Owner

City: _____

State: _____

ZIP: _____

Country: _____

Operating Certificates Held

(Check all that apply)

- ☐ None
- ☐ Type-Certificate Operating Certificate (FAA 135)
- ☐ Supplemental
- ☐ Air Cargo
- ☐ Foreign Air Carriers (FAA 129)
- ☐ Rotorcraft External Load (FAA 133)
- ☐ Commercial Air Carrier (FAA 135)
- ☐ On-Demand Air Taxi (FAA 135)
- ☐ Commercial Air Tour (FAA 136)
- ☐ Agricultural Aircraft (FAA 137)
- ☐ Pilot School (FAA 141)
- ☐ Certificate of Authorization to Waiver (COW)
- ☐ Commercial Space Transportation
- ☐ Experimental Permit
- ☐ Commercial Space Transportation License
- ☐ Other Operator of Large Aircraft

Regulation Flight Conducted Under

- ☐ FAR 91 ☐ FAR 129 ☐ FAR 415
- ☒ FAR 103 ☐ FAR 135 ☐ FAR 431
- ☐ FAR 121 ☐ FAR 135 ☐ FAR 415
- ☐ FAR 125 ☐ FAR 137 ☐ FAR 437

- ☐ FAR 91 Special Flight
- ☐ Non-US, Commercial
- ☐ Non-US, Non-commercial

Public Aircraft (Select one)

- ☐ Armed Forces
- ☐ Federal
- ☐ State
- ☐ Local

☐ Unknown

Revenue Operation for FAR 121, 125, 129, 135

(Select one for each group)

- ☐ Scheduled or Commuter ☐ Domestic
- ☐ Non-Scheduled or Air Taxi ☐ International

- ☐ Passenger
- ☐ Cargo
- ☐ Mail Contract Only

Purpose of Flight for FAR 91, 103, 133, 137

(Select one)

- ☐ Aerial Application ☐ Firefighting ☐ Unknown
- ☐ Aerial Observation ☐ Flight Test
- ☐ Air Drop ☐ Glider Tow
- ☐ Air Race/Show ☐ Instructional
- ☐ Banner Tow ☐ Other Work Use
- ☐ Business ☒ Recreational
- ☐ Executive/Corporate ☐ Positioning
- ☐ External Load ☐ Skydiving
- ☐ Ferry

Revenue Sightseeing Flight

☐ Yes ☐ No

Air Medical Flight

☐ Yes ☐ No

AIRPORT INFORMATION (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)

Airport Name: BOB LEE

Airport Identifier: 156

Proximity to Airport: ☐ Off Airport/Airport ☐ On Airport/Airport ☐ N/A

Distance From Airport Center: _____ mi

Direction From Airport: _____ degrees true

Airport Elevation: 90 FT ft. msl

Runway Information

Runway ID: 9 (L/R/C) Length: 3300 ft Width: 72 ft

Runway/Landing Surface (Check all that apply)

- ☐ Asphalt ☒ Grass/Turf ☐ Macadam ☐ Water
- ☐ Concrete ☐ Gravel ☐ Metal/Wood
- ☐ Dirt ☐ Ice ☐ Snow ☐ Unknown

Condition of Runway/Landing Surface (Check all that apply)

- ☐ Dry ☐ Snow-Compacted ☐ Water-Calm
- ☐ Wet ☐ Snow-Crusted ☐ Water-Choppy
- ☐ Ice-Crusted ☐ Snow-Dry ☐ Water-Glacier
- ☐ Rough ☐ Snow-Wet ☐ Wet
- ☐ Rubber Deposits ☒ Soft
- ☐ Slush-Covered ☐ Vegetation ☐ Unknown

Approach/Departure Segment (Select one)

- ☐ Taxi ☐ VFR Departure ☐ On Instrument Approach ☐ Downwind ☐ Low Approach
- ☐ Takeoff ☐ IFR Departure Procedure/Clearance ☐ Landing ☐ Base ☐ Go Around
- ☒ Initial Climb ☐ Final ☐ Aborted Landing (after touchdown)
- ☐ Crosswind ☒ Unknown

IFR Approach (Check all that apply)

- ☐ None
- ☐ MDENDB ☐ PAR ☐ MLS ☐ Precision
- ☐ SDF ☐ Sidestep ☐ I DA ☐ GPS
- ☐ VOR/VOR ☐ ILS ☐ ASR ☐ Visual
- ☐ VOR/DME ☐ Localizer Only ☐ Contact
- ☐ TACAN ☐ LOC-back course ☐ Circling
- ☐ RNAV ☒ Unknown

VFR Approach (Check all that apply)

- ☒ None
- ☐ Traffic Pattern ☐ Stop and Go
- ☐ Straight-In ☐ Touch and Go
- ☐ Valley/Terrain Following ☐ Simulated Forced Landing
- ☐ Go Around ☐ Forced Landing
- ☐ Full Stop ☐ Precautionary Landing
- ☐ Unknown

"FLIGHT CREWMEMBER 1" INFORMATION

"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident

☐ Pilot
 ☐ Co-Pilot
 ☐ Student Pilot
 ☐ Flight Instructor
 ☐ Check Pilot
 ☐ Flight Engineer
 ☐ Other Flight Crew

"Flight Crewmember 1" was pilot flying ☐ Yes ☐ No

"Flight Crewmember 1" Identification

First Name: JOHN CHARTER

Middle Initial: _____

Last Name: _____

City of Residence: COLUMBUS

State: OH

ZIP: 43201

Age at time of Accident/Incident: 71

Date of Birth: _____

Country: USA

mm dd yyyy

Certificate Number: _____

Degree of Injury

☐ None
 ☐ Fatal
 ☒ Minor
 ☐ Unknown
 ☐ Serious

Seat Occupied

☐ Left
 ☐ Front
 ☐ Unknown
 ☐ Right
 ☐ Rear
 ☒ Single

Restraint Type

Available
☐ None
 ☐ Lap only
 ☐ 3-point
 ☒ 4-point
 ☐ 5-point
 ☐ Unknown
Used
☐ None
 ☐ Lap only
 ☐ 3-point
 ☒ 4-point
 ☐ 5-point
 ☐ Unknown

Inflatable Restraints

☒ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None
 ☐ Flight Instructor
 ☐ Commercial
 ☐ US Military
☐ Private
 ☐ Recreational
 ☐ Airline Transport
 ☐ Foreign
☐ Student
 ☒ Sport
 ☐ Flight Engineer

Principal Occupation

☐ Pilot
☒ Other
☐ Unknown

Medical Certificate

☒ None
 ☐ Class 1
 ☐ Class 2
 ☐ Class 3
☐ Driver's License (Sport Pilot only)
☐ Unknown

Medical Certificate Validity

☐ Without limitations/endorsements
 ☐ Unknown
☐ With limitations/waivers
 ☐ N/A
☐ Special Issuance

Date of Last Medical

mm dd yyyy

Medical Certificate Limitations

Medical Certificate Special Issuance

Date of Last Flight Review or Equivalent, including FAR 121/135 Checks:

mm dd yyyy

Flight Review Aircraft

Make: _____

Model: _____

Airplane Rating(s)

(Check all that apply)

☐ None
☒ Single-Engine Land
☐ Single-Engine Sea
☐ Multiengine Land
☐ Multiengine Sea

Other Aircraft Rating(s)

(Check all that apply)

☐ None
☐ Airship
☐ Balloon
☐ Glider
☐ Gyroplane
☐ Helicopter
☐ Powered Lift

Instrument Rating(s)

(Check all that apply)

☒ None
☐ Airplane
☐ Helicopter
☐ Powered Lift

Instructor Rating(s)

(Check all that apply)

☒ None
☐ Airplane Single-Engine
☐ Airplane Multi-Engine
☐ Gyroplane
☐ Powered Lift
☐ Instrument Airplane
☐ Instrument Helicopter
☐ Helicopter
☐ Glider
☐ Sport

Type Ratings

Student Endorsements (Include dates)

Flight Time (Enter appropriate number of hours in each box)

All Aircraft

This Make & Model

Airplane Single Engine

Airplane Multiengine

Night

Instrument

Actual

Simulated

Rotorcraft

Glider

Longer Than Air

Total Time

130

40

1

Pilot in Command (PIC)

Time as Instructor

This Make/Model

Last 90 Days

Last 30 Days

Last 24 Hours

40

20

FLIGHT ITINERARY INFORMATION

Last Departure Point Airport ID: _____ City: _____ State: _____ Country: _____	Time of Departure Time: _____ Time Zone: _____	Destination Airport ID: _____ City: _____ State: _____ Country: _____	Type Flight Plan Filed ☐ None ☐ VFR/D ☐ Company VFR ☐ IFR ☐ Military VFR ☐ Unknown ☐ VFR Activated? ☐ Yes ☐ No ☐ Unknown
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Type of ATC Clearance/Service (Check all that apply) ☐ None ☐ Special VFR ☐ Special IFR ☐ VFR Flight Following ☐ Cruise ☐ VFR ☐ IFR ☐ VFR On Top ☐ Traffic Advisory ☐ Unknown / NA			
Airspace where the accident/incident occurred (Check all that apply) ☐ Class A ☐ Class G ☐ Military Operations Area (MOA) ☐ Special Altitude of In-Flight Occurrence: _____ ☐ Class B ☐ Demo Area ☐ Airport Advisory Area ☐ Air Traffic Control Area ☐ Class C ☐ Warning Area ☐ Jet Training Area ☐ Unknown ☐ Class D ☐ Prohibited Area ☐ TWA ☐ Class E ☐ Restricted Area ☐ FAR 95			

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

Source of Pilot Weather Information (Check all that apply) ☐ National Weather Service ☐ Company ☐ Flight Service Station ☐ Military ☐ TV/Radio ☐ Internet ☐ Automated Report ☐ None ☐ Commercial Weather Service (T/ATS) ☐ Unknown ☐ On-Road Weather	Weather Observation Facility Facility ID: _____ Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ nm Direction from Accident Site: _____ degrees true
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Basic Conditions ☐ VMC ☐ IMC ☐ Unknown	Light Condition ☐ Dawn ☐ Dusk ☐ Night ☐ Unknown ☐ Day ☐ Night ☐ Bright Night
Sky/Lowest Cloud Condition ☐ Clear ☐ Thin Broken ☐ Few ☐ Thin Overcast ☐ Partial Obscuration ☐ Unknown ☐ Scattered	Ceiling ☐ None (Clear) ☐ Obscured ☐ Broken ☐ Indefinite ☐ Overcast ☐ Unknown
Lowest Cloud Condition Height _____ ft agl	Ceiling Height _____ ft agl

Wind Direction ☐ Variable Direction: _____ degrees true	Wind Speed ☐ Calm ☐ Light and Variable Speed: _____ kts	Wind Gusts ☐ Not Gusting Speed: _____ kts	Visibility _____ miles RVR: _____ feet RVM: _____ miles Density Altitude: _____ ft
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Intensity of Precipitation ☐ Light ☐ Moderate ☐ Heavy ☐ N/A ☐ Unknown	Type of Precipitation (Check all that apply) ☐ None ☐ Drizzle ☐ Freezing Rain ☐ Rain ☐ Ice Pellets ☐ Snow Shower ☐ Snow ☐ Snow Pellets ☐ Ice Pellets Shower ☐ Sleet ☐ Snow Grains ☐ Freezing Drizzle ☐ Rain Showers ☐ Ice Crystals	Restriction to Visibility (Check all that apply) ☐ None ☐ Fog ☐ Blowing Dust ☐ Ground Fog ☐ Blowing Sand ☐ Haze ☐ Blowing Snow ☐ Ice Fog ☐ Blowing Spray ☐ Smoke ☐ Dust ☐ Unknown
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Icing Forecast Amount: ☐ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown Type: ☐ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown	Icing Actual Amount: ☐ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown Type: ☐ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown	Turbulence Type (Check all that apply): ☐ None ☐ Clear Air ☐ Terrain-Induced ☐ Convective Turbulence Severity: ☐ Light ☐ Moderate ☐ Severe ☐ Extreme
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NOTAMs (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident:

DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage

- ☐ None
☐ Minor
☒ Substantial
☐ Destroyed
☐ Unknown

Aircraft Fire

- ☒ None
☐ In-Flight
☐ On-Ground
☐ Both Ground and In-Flight
☐ Fire at Unknown Time
☐ Unknown

Aircraft Explosion

- ☒ None
☐ In-Flight
☐ On-Ground
☐ Both Ground and In-Flight
☐ Explosion at Unknown Time
☐ Unknown

Description of Damage to Aircraft and Other Property (Use additional sheet if necessary)

NARRATIVE HISTORY OF FLIGHT (If more than one flight, use separate sheets)

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and location, services obtained, and intended destination. Provide as much detail as possible.

11:30 AM - ARRIVED BOB LEE APT. UNCOVERED AND INSPECTED AIRCRAFT. ADDED 264L 87 OCTANE FUEL FOR FULL 2 1/2 GAL. INSTALLED ELECTRIC MOTOR BATTERIES (FULLY CHARGED) INSTALLED GAS MOTOR BATTERY WHICH SERVES FOR ELECTRIC START AND ELECTRONIC IGNITION. TEST RAN BOTH MOTORS. PUSHED AIRCRAFT TO END OF RUNWAY 9 FOR EAST TAKE OFF. TEMP 80° WIND LIGHT NE. STARTED AND WARMED GAS ENGINE. TAKE OFF ROLL AT BOB LEE EMPLOYED FULL POWER ~~BOTH~~ GAS ENGINE AND AUX ELECTRIC. TAKE OFF ROLL AT BOB LEE IS LONG DUE TO SANDY SOIL, DRY CONDITIONS AND ONE WHEEL CONFIGURATION OF CRAFT. LIFTED OFF 3/4 WAY DOWN RUNWAY. AT ABOUT 75 FT ENCOUNTERED TURBULENT BUMP AND AT THAT MOMENT ^{GAS} ENGINE QUIT. END OF RUNWAY WAS CLOSE AND I HONESTLY THOUGHT ELECTRIC AUX WOULD HOLD ALTITUDE AS IT SEEMED TO IN FLIGHT TESTS. IT COULD NOT CLIMB BUT SEEMED TO SUSTAIN. I WAS AT TREE HEIGHT LEVEL TRYING TO TURN BACK TO FIELD BUT COULD NOT MAINTAIN. IF ENGINE HAD QUIT 10 SECONDS SOONER OR TEN SECONDS LATER THERE WOULD HAVE BEEN ADEQUATE MARGIN. ATTEMPTED IN AIR RESTART AND ENGINE CRANKED BUT DID NOT FIRE UP.

RECOMMENDATION (How could this accident/incident have been prevented?)

Operator/Owner Safety Recommendation

I BELIEVE THE BUMP (TURBULENT) DISLODGED ENGINE BATTERY WHICH SEPARATED PLUG CONNECTION TO IGNITION MODULE. THE BATTERY WAS NOT TOTALLY DISCONNECTED AS ENGINE TURNED OVER DURING IN AIR RESTART ATTEMPT.

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)Was there Mechanical Malfunction/Failure? ☐ Yes ☐ No

(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

Total Time/Cycles
On Part

Hours

Cycles

Time Since This Part
Inspected/Overhauled

Hours

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff

(Convert from pounds, as necessary)

2 1/2

Gallons

Fuel Type

☒ 80/87☐ 115/145☐ Jet B☐ Other, specify _____☐ 100 Low Lead☐ Jet A☐ JP4☐ 100/130☐ Jet A-1☐ Automotive

Other Services, if Any, Prior to Departure

EVACUATION OF AIRCRAFTWas an emergency evacuation of the aircraft performed? ☐ Yes ☐ No

Method of Exit Describe how the occupants exited and how many occupants evacuated each location

AIRCRAFT HUNG IN TREE SETTLED NOSE DOWN ONE FOOT OFF GROUND. I SIMPLY UNBUCKLED AND EXITED.

OTHER AIRCRAFT - COLLISION (If air or ground collision occurred, complete this section for other aircraft)

Aircraft Registration Number

Manufacturer:

Model:

Damage to Other Aircraft

☐ Destroyed☐ Minor☐ Substantial☐ None

Registered Owner of Other Aircraft

Pilot of Other Aircraft

Name:

Name:

City:

City:

State:

ZIP:

State:

ZIP:

Country:

Country:

ADDITIONAL INFORMATION (Please type or print in ink)

Use this space if additional space is needed for any answers.

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Date of this Report

4/19/16

mm/dd/yyyy

Name of Pilot/Operator: JOHN A. KARTER

Signature:

-- or --

☒ Check here to electronically sign this document.

If a Person Other than Pilot/Operator is Filing Report

Name:

Signature:

Title:

-- or --

☐ Check here to electronically sign this document.

FOR NTSB USE ONLY

NTSB Accident/Incident No.

ERA16LA156

Reviewed by NTSB Regional Office

ERA

Name of Investigator

D. Bobbs

Date Report Received

4-20-16